

Substitute for form 1449A/PTO

OCT 30 2007

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	34	57	Attorney Docket Number	
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Signature	/Stephen Kalafut/	Date Considered	12/07/2007
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			Application Number	09/501,622	
			Filing Date	02/09/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
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/SK/		5,864,322		Pollon et al.	01-1999	
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FOREIGN PATENT DOCUMENTS								
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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			Group Art Unit	1745	
			Examiner Name	Kalafut	
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/SK/		Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. (no month)	
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/SK/		RANDI, "Houdini and the Rabbi, The Patent Office Again, A Perpetual Motion/Emotion Car Breaks Down....," Swift, September 20, 2002, www.randi.org/jr/092002.html (see Attachment C)	
/SK/		VOSS, "New Physics' Finds a Haven At the Patent Office," Science, Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)	
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/SK/		Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger, February 28, 2000 (see Attachment G)	
/SK/		Internet Discussion Forum, "Two Brand New Papers out at BLP's "What's New" page," message No. 7191 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7191 , September 27, 2003 (see Attachment H)	
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		Filing Date	02/09/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
/SK/		Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)		
/SK/		Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, October 28, 2003 (see Attachment H)		
/SK/		Internet Discussion Forum, "HSG: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H)		
/SK/		Internet Discussion Forum, "HSG: Zimmerman's Insincere Questions," Transcript from Peter Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)		
/SK/		Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 http://groups.yahoo.com/group/hydrino/message/6052 (see Attachment H)		
/SK/		Book Internet Discussion Forum, "HSG: Re: Book Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)		
/SK/		"Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I) (no date)		
/SK/		PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J)		
/SK/		Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001 (see Attachment K)		
		PLATT, "Testing the Current," The Washington Post, June 25, 2000, Page X05 (see Attachment M) (also cited on page 12)		
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/SK/		USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001 (see Attachment N)	
/SK/		Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)	
/SK/		Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001 (see Attachment O)	
/SK/		Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)	
/SK/		Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)	
/SK/		Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)	
/SK/		Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)	
/SK/		Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)	
/SK/		Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P)	
/SK/		"APS E-Board Passes Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, http://www.eps.org/aps/apsnews/0802/080212.html (see Attachment Q)	
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/SK/		Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)	
/SK/		Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)	
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	74	R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, B. Dhandapani, J. Phillips, "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Journal of Plasma Physics, Vol. 1, Part 6, (2005), 877-888. (Web Publication Date: June 18, 2003.)	
	80	R. L. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen According to Quantum Mechanics," Annales de la Fondation Louis de Broglie, Vol. 30, (2005), pp. 129-151. (Web Publication Date: Jan. 27, 2003.)	
	84	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwell Approach," Physics Essays, Vol. 17, (2004), 342-389. (Web Publication Date: Aug. 6, 2004.)	
	96	J. Phillips, C.K. Chen, R. L. Mills, "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," J. Plasma Phys., submitted. (Web Publication Date: Sept. 12, 2003.)	
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	100	R. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, 94/2-3, 298-307. (Web Publication Date: Nov. 17, 2003.)	
	110	R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen Novel Hydrides as a New Power Source," Prepr. Pap. Am. Chem. Soc., Div. Fuel C 2005, 50(2). (Web Publication Date: April 22, 2005.)	
	113	R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Excited and Predicted Hydride States, " New Journal of Physics, submitted. (Web Publication Date: June 9, 2005.)	

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First Named Inventor	Mills
Group Art Unit	1754 1745
Examiner Name	Langel Kalafut
Attorney Docket Number	62-226-8AC4-DIV2

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Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		3,253,884		Jung, et al	05-31-1966	
		4,155,712		Taschek	05-22-1979	
		4,337,126		Gilligan III, et al	06-29-1982	
		4,353,871		Bartlett, et al	10-12-1982	
		4,702,894		Cornish	10-27-1987	
		4,808,286		Angelo II	02-28-1989	
		5,593,640		Long, et al	01-14-1997	
		5,789,744		Spence, et al	08-04-1998	
(These patents are ALREADY of record.)						

[illegible]

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'." <i>Optical Properties of Solids</i>, 1972, pp. 718-754.	
		Alger et al. "F Centers in Pure and Hydride Containing Alkali Halide crystals." <i>Physical Review</i>, Vol 97, January 15, 1955, pp. 277-287.	
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		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i>, Oct 6, 1999. (also cited on page 5)	
		Bauerle et al. "Infrared Vibrational Absorption by U Centers in NaI." <i>Phys. Stat. Sol.</i>, Vol 24, 1967, pp. 207-215.	
		Belser, A. <i>Concepts of Modern Physics</i>, Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.	
		Bethe, et. al. "Quantum Mechanics of One and Two Electron Atoms." <i>Cornell University</i>, 1977, pp. 2, 9-12, 47, 83-84, 92, 107.	
		Boniface, et. al. "Calorimetry for a Ni/K₂CO₃ Cell." AEOL Research, June 1994.	
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		Bush. "A Light Water Excess Heat Reaction Suggests That 'Cold Fusion' May Be 'Alkali-Hydrogen Fusion'." <i>Fusion Technology</i>, Vol 22, Sept. 1992, pp. 301-322.	

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		Clark, et. al. "Excess Energy Cell Final Report." April 1995.	
		Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KOI Crystals Containing U-Centers." Phys. Rev., Vol 104, Nov 1, 1956, pp. 599-604.	
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		Fujimoto, et. al. "Ratio of Balmer line intensities resulting from dissociative excitation of molecular hydrogen in an ionizing plasma." J. Appl. Phys., Vol 66, No 6, Sept. 1989, pp. 2315-2319.	
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		Hollander, et. al. "Vacuum ultraviolet emission from microwave plasmas of hydrogen and its mixtures with helium and oxygen." J. Vac. Sci. Technol., A12 (3), May/June 1994, pp.879-882.	
		Jackson, John David. "Classical Electrodynamics." University of California, Berkeley, 1975, Ch. 14.	
		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG & G Idaho, Inc., Nov 1993.	
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		Jeffreys, et al. "Methods of Mathematical Physics." Cambridge, 1950, pp.610.	
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		Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." Journal of Chemical Physics, Vol 41, No 12, Dec 1964, pp. 3663-3673.	
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		Merzbacher, Eugen. "Quantum Mechanics." 1961, p. 100.	
		Messiah, Albert. "Quantum Mechanics." Rutgers The State University, Vol 1, 1968, p. 130.	
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		First Named Inventor	Mills
		Group Art Unit	1754 1745
Examiner Name	Langer Kalafut		
Sheet 4 44	of 4 57	Attorney Docket Number	62-226-8AC4-DIV2

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
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		Filing Date	02/09/2000
		First Named Inventor	Mills
		Group Art Unit	1745
		Examiner Name	Kalafut
Sheet <u>8</u> 54	of <u>12</u> 57	Attorney Docket Number	8ac4-D2

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